

1) Find each of the following:

$$\int x^4 dx = \frac{x^5}{5} + C$$

$$\int \cos(x) + \tan(x) \sec(x) dx = \sin(x) + \sec(x) + C$$

$$\int 3e^{4x} dx = \frac{3}{4}e^{4x} + C$$